

5050 RGBCCT 5 in 1 LED Strip Lights, Waterproof IP67, 12V

Generic 5050 RGBCCT 5-in-1 LED Strip Lights User Manual

Model: Waterproof IP67, 12V

INTRODUCTION

This manual provides essential information for the safe and effective use of your Generic 5050 RGBCCT 5-in-1 LED Strip Lights. This product features 5 colors (Red, Green, Blue, Cool White, Warm White) integrated into a single LED, with 60 LEDs per meter. It operates on 12V DC and has an IP67 waterproof rating, making it suitable for outdoor applications.

SAFETY INFORMATION

- Power Supply:** Use only a DC12V power adapter. A DC12V8A power adapter is recommended for optimal performance.
- Overheating Warning:** Do not power on the LED strip for extended periods while it is still wound on the spool. This can lead to overheating and damage.
- Voltage Compatibility:** Ensure your power source matches the strip's 12V DC requirement. Incorrect voltage can damage the product.
- Waterproof Rating:** This model is IP67 waterproof, suitable for outdoor use and protection against temporary immersion. Ensure all connections are properly sealed if used in wet environments.
- Installation:** Always disconnect power before installation or maintenance.

PACKAGE CONTENTS

The package includes the following item:

- 1 x 16.4ft (5m) RGBCCT 5-in-1 60 LEDs/m LED Strip

Note: A power adapter and controller are not included and must be purchased separately.

SETUP

- Unroll the LED Strip:** Carefully unroll the entire 5-meter LED strip from its spool before connecting power. This prevents overheating.
- Plan Placement:** Determine the desired location for your LED strip. The strip is flexible and can be adhered to various surfaces.
- Cutting the Strip (Optional):** The LED strip can be cut every three LEDs at designated cut marks. Ensure the power is disconnected before cutting. The remaining sections will still function.

4. **Connect to Controller:** Connect the 6-pin connector of the LED strip to a compatible RGBCCT LED controller (not included). Ensure the pins align correctly.
5. **Connect to Power Adapter:** Connect the LED controller to a DC12V power adapter (not included). A DC12V8A adapter is recommended.
6. **Power On:** Plug the power adapter into a suitable electrical outlet.

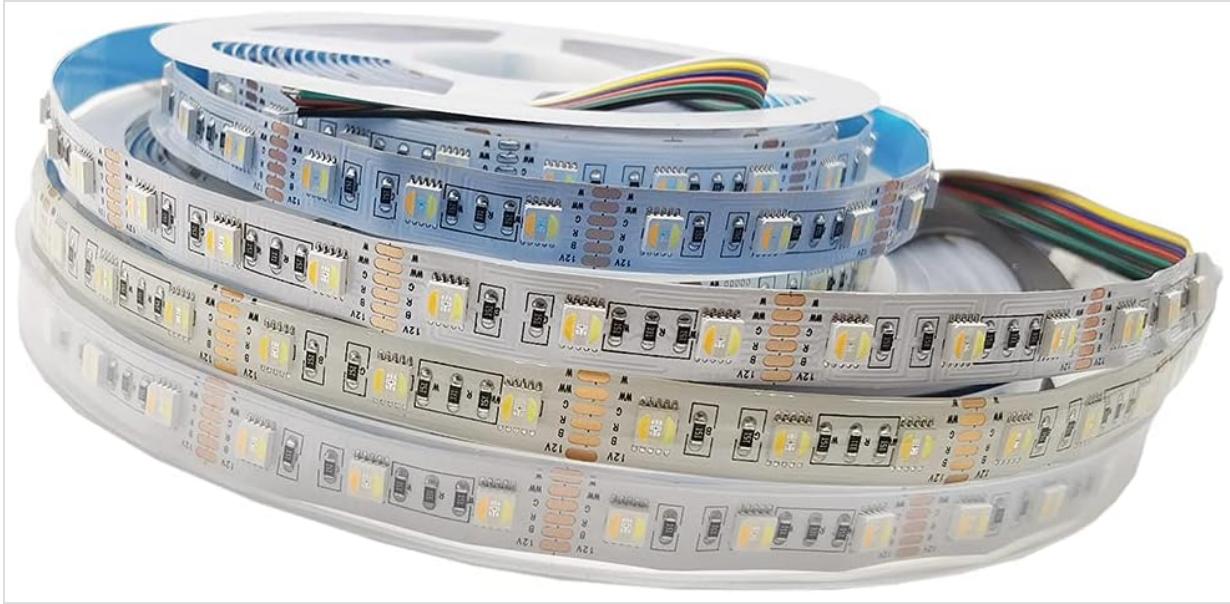


Image: The 5050 RGBCCT LED strip, showing its flexible design and individual LED components, ready for installation.

OPERATING INSTRUCTIONS

Operation of the LED strip requires a compatible RGBCCT controller (not included). Refer to your controller's manual for specific button functions.

- **Color Selection:** Use your controller to select from a wide range of colors. The 5-in-1 LEDs allow for Red, Green, Blue, Cool White, and Warm White, as well as various mixed colors.
- **White Light Options:** The strip offers three types of white light:
 - **Mixed White:** Achieved by combining Red, Green, and Blue.
 - **Cool White:** Pure white light from dedicated cool white LEDs.
 - **Warm White:** Soft, yellowish white light from dedicated warm white LEDs.

These white light options can be switched freely via the controller.

- **Brightness Adjustment:** Adjust the brightness level using your controller's dimming functions.
- **Dynamic Modes:** Many controllers offer pre-programmed dynamic modes such as flashing, fading, or color cycling.



Image: The LED strip illuminated with a vibrant blue light, demonstrating its color capabilities.



Image: The LED strip illuminated with a light blue or cyan hue, showcasing another color option.



Image: The LED strip illuminated with a pink or magenta light, highlighting its diverse color output.

Maintenance

- **Cleaning:** Gently wipe the LED strip with a soft, dry cloth to remove dust. For stubborn dirt, use a slightly damp cloth and ensure the strip is completely dry before powering on. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the LED strip in a cool, dry place within the recommended storage temperature range of -40°C to +50°C.
- **Environmental Conditions:** The operating temperature range is -25°C to +50°C. While IP67 rated for water resistance, avoid prolonged exposure to extreme temperatures or direct, high-pressure water jets.

Troubleshooting

- **Strip does not light up:**
 - Check if the power adapter is correctly plugged into the outlet and the controller.
 - Verify that the LED strip is securely connected to the controller.
 - Ensure the power adapter is providing the correct 12V DC output.
 - Confirm the controller is powered on and functioning correctly.
- **Incorrect colors or partial lighting:**
 - Check the connection between the LED strip and the controller for loose or misaligned pins.
 - Ensure the controller is set to the correct output mode for RGBCCT strips.
 - If a section of the strip does not light up after cutting, inspect the cut points for clean cuts and proper contact.
- **Flickering or unstable light:**
 - Ensure the power adapter has sufficient wattage for the entire length of the LED strip (recommended DC12V8A for 5m).
 - Check for loose connections at the power adapter, controller, and strip.

Specifications

Model	5050 RGBCCT 5-in-1 LED Strip Lights
Waterproof Level	IP67 (Waterproof in Silicone Tube)
Input Voltage	DC12V
Power Consumption	18W/meter (90W/5m)
LED Type	5050 RGBCCT (Red, Green, Blue, Cool White, Warm White)
LED Quantity	60 LEDs/meter
Standard Reel Length	16.4ft (5m)
View Angle	120°
Operating Temperature	-25°C to +50°C
Storage Temperature	-40°C to +50°C

Recommended Power Adapter	DC12V8A
Material	Silicone
Indoor/Outdoor Usage	Outdoor

WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available information. Please refer to your retailer or point of purchase for any applicable warranty terms and conditions.

SUPPORT

For technical assistance or customer support, please contact the retailer from whom you purchased this product. Specific manufacturer contact information is not available in the provided details.